



Data Collection and Preprocessing Phase

Date	25th June 2025	
Team ID	LTVIP2025TMID42853	
Project Title	Revolutionizing Liver Care: Predicting Liver Cirrhosis Using Advanced Machine Learning Techniques.	
Maximum Marks	2 Marks	

Data Quality Report Template

This report summarizes the data quality issues identified in the liver cirrhosis dataset, along with their severity levels and proposed resolution plans. The goal is to systematically identify and rectify discrepancies to ensure high-quality data for accurate predictions.

Data Source	Data Quality Issue	Severity	Resolution Plan
Kaggle Dataset	Missing values in all the columns of the dataset. (42 columns) df.isnull().sum() v0.0s S.NO Age Gender Place(location where the patient lives) Oype of alcohol consumption(years) Oype of alcohol consumption (quarters/day) Hepatitis B infection Hepatitis b infection Hepatitis c infection Diabetes Result Blood pressure (mmhg) Obesity Family history of cirrhosis/ hereditary Family history of cirrhosis/ hereditary Other (%) Family history of cirrhosis/ hereditary Other (%) Ochem (High	Use mean/median imputation.
Kaggle Dataset	Categorical data in the dataset	Moderate	Perform encoding (e.g., Label Encoding or One-Hot Encoding).